

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): An image processing apparatus wherein when an output device is used to output a proof image reproducing a printed image in which a process color print image constituting of process colors and a spot color print image are superposed upon each other, proof image data for the output device, that is representative of the proof image, is created through processing of printing image data representative of the printed image, the image processing apparatus comprising:

an image data obtaining section that obtains the printing image data;

an image data conversion section that converts the printing image data obtained in the image data obtaining section into the proof image data through processing of the printing image data presupposing a reproduction system for the printed image in the output device;

an additional image data creating section that creates additional image data for the output device, which is representative of an additional image describing a reproduction property of a spot color in the reproduction system presupposed when the image data conversion section processes printing image data; and

an image data output section that outputs to the output device the proof image data converted in the image data conversion section and the additional image data created in the additional image data creating section, so that the output device outputs the proof image and the additional image.

2. (original): An image processing apparatus according to claim 1, wherein the additional image data creating section creates additional image data representative of an additional image describing whether the spot color in the printed image is a color within a color reproduction area of the output device.

3. (original): An image processing apparatus according to claim 1, wherein the additional image data creating section creates additional image data representative of an additional image describing with numerical values ranks where a degree of the reproduction property is divided into a plurality of ranks.

4. (original): An image processing apparatus according to claim 1, wherein the additional image data creating section creates additional image data representative of an additional image associating a color chip of the spot color constituting the spot color print image with a description of reproduction property.

5. (original): An image processing apparatus wherein when an output device is used to output a proof image reproducing a printed image in which a process color print image constituting of process colors and a spot color print image are superposed upon each other, proof image data for the output device, that is representative of the proof image, is created through processing of printing image data representative of the printed image, the image processing apparatus comprising:

an image data obtaining section that obtains the printing image data having a first image data portion representative of the process color print image and a second image data portion representative of the spot color print image;

an image data conversion section that converts the printing image data obtained in the image data obtaining section into the proof image data through processing of the printing image data presupposing a reproduction system for the printed image in the output device;

an additional image data creating section that creates additional image data for the output device, which is representative of an additional image describing the reproduction system for a spot color in the output device presupposed when the image data conversion section processes the second image data portion; and

an image data output section that outputs to the output device the proof image data converted in the image data conversion section and the additional image data created in the additional image data creating section, so that the output device outputs the proof image and the additional image.

6. (currently amended): An image processing apparatus according to claim 15, wherein the additional image data creating section creates additional image data representative of an additional image describing a sort of ink used when the output device reproduces the spot color.

7. (currently amended): An image processing apparatus according to claim 15, wherein the additional image data creating section creates additional image data representative of an

additional image associating a color chip of the spot color with a description of reproduction system for the spot color.

8. (currently amended): An image processing apparatus according to claim ~~4~~5, wherein the output device reproduces the spot color by superposing inks of process colors using a specified halftone dot pattern, and

the additional image data creating section creates additional image data representative of an additional image describing a sort of the halftone dot pattern.

9. (currently amended): ~~An image processing program storage medium~~A computer readable medium storing ~~an image processing a computer program~~ which causes a computer to operate as an image processing apparatus, when the image processing program is incorporated into the computer and is executed, the image processing apparatus comprising:

an image data obtaining section that obtains the printing image data;

an image data conversion section that converts the printing image data obtained in the image data obtaining section into the proof image data through processing of the printing image data presupposing a reproduction system for the printed image in the output device;

an additional image data creating section that creates additional image data for the output device, which is representative of an additional image describing a reproduction property of a spot color in the reproduction system presupposed when the image data conversion section processes printing image data; and

an image data output section that outputs to the output device the proof image data converted in the image data conversion section and the additional image data created in the additional image data creating section, so that the output device outputs the proof image and the additional image.

10. (currently amended): ~~An image processing program~~ A computer readable medium ~~storage medium storing a computer~~ an image processing program which causes a computer to operate as an image processing apparatus, when the image processing program is incorporated into the computer and is executed, the image processing apparatus comprising:

an image data obtaining section that obtains the printing image data having a first image data portion representative of the process color print image and a second image data portion representative of the spot color print image;

an image data conversion section that converts the printing image data obtained in the image data obtaining section into the proof image data through processing of the printing image data presupposing a reproduction system for the printed image in the output device;

an additional image data creating section that creates additional image data for the output device, which is representative of an additional image describing the reproduction system for a spot color in the output device presupposed when the image data conversion section processes the second image data portion; and

an image data output section that outputs to the output device the proof image data converted in the image data conversion section and the additional image data created in the

additional image data creating section, so that the output device outputs the proof image and the additional image.

11. (New).: The image processing apparatus of claim 1, wherein the spot color is an ink which is specifically adjusted to represent the original color of the printing image data, and is used in addition to the standard process colors.

12. (New).: The image processing apparatus of claim 5, wherein the spot color is an ink which is specifically adjusted to represent the original color of the printing image data, and is used in addition to the standard process colors.

13. (New).: The image processing apparatus of claim 9, wherein the spot color is an ink which is specifically adjusted to represent the original color of the printing image data, and is used in addition to the standard process colors.

14. (New).: The image processing apparatus of claim 10, wherein the spot color is an ink which is specifically adjusted to represent the original color of the printing image data, and is used in addition to the standard process colors.

15. (New).: The image processing apparatus of claim 3, wherein the plurality of ranks represents degrees of the reproduction property of the spot color.

16. (New).: The image processing apparatus of claim 1, wherein the image data conversion comprises at least one of a process color conversion; a spot color screening, and a tone arithmetic processing.

17. (New).: The image processing apparatus of claim 1, wherein the image data conversion comprises colorimetric processing.